

# PATENT ABSTRACTS OF JAPAN

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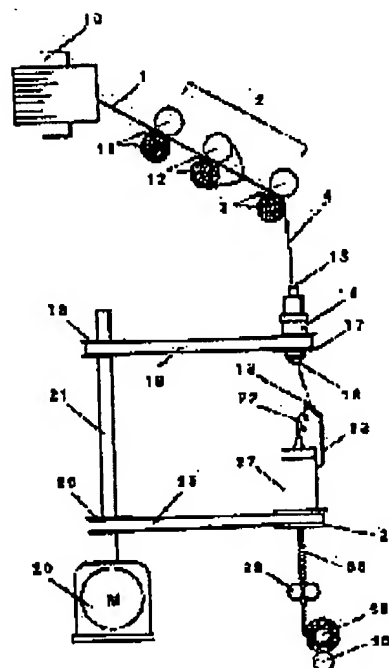
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## (54) PRODUCTION OF BULKY YARN

(57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a bulky yarn having soft touch feeling free from torque and having good productivity by imparting strength to fine fiber bundle without almost applying twist to fleece of the fine fiber bundle.

**SOLUTION:** Fleece 4 of fiber bundle drafted in fine spinning process for forming yarn from roving and made fine is subjected to false twist by a hollow spindle 14 and a V-shaped guide 16 to afford a yarn and the yarn is led to a small-diameter cylindrical knitting machine and knitted to provide a bulky chain-like yarn 33. As for the yarn, when the yarn is stretched in the longitudinal direction, abrasion resistance arises between non-twist yarns constituting chains and strength of the yarn is generated without causing slip of fiber and non-twist fiber bundle is folded in the longitudinal direction of the yarn to form loops.



## LEGAL STATUS

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**CLAIMS**

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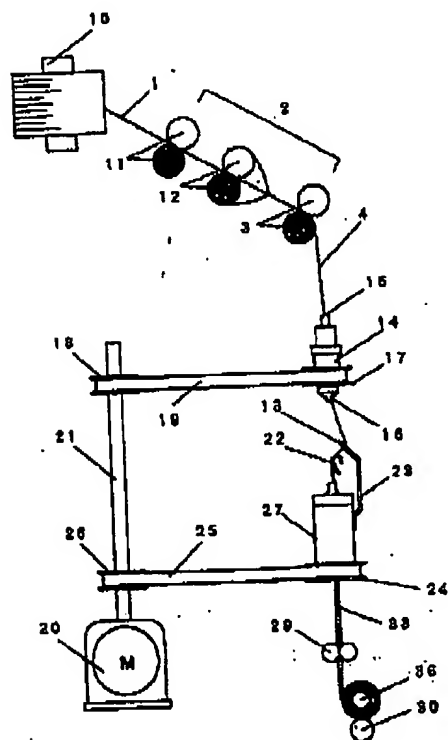
[Claim(s)]

[Claim 1] The process of the bulky yarn characterized by manufacturing chain-like yarn with the machine of the minor diameter which had 1-6 needles for the shape of the yarn edited by the cylinder after giving a temporary twist to the fleece of the thin fiber bundle which carried out the draft of the slubbing with draft equipment, and was spun from the front roller in the fine-spinning stroke of spinning and making it converge in the shape of one yarn.

[Claim 2] The process of the bulky yarn characterized by putting in filament yarn as core yarn in the stroke of claim 1 later than the speed of the fleece of a thin fiber bundle.

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Drawing selection **Representative drawing**

[Translation done.]